

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002513**Date Inspected:** 17-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested for the OBG internal Entire Floor (10AE), vide inspection request no. 3711 for Surface preparation inspection. This Caltrans inspector observed, ABF inspector Mr. Sun, and Mr. Vince performing the Blasting inspection. Mr. Tim McLendon (B 290), Mr. Vibin (B 294), Mr. Pillai (B 286), Mr. Bera (B 205), Mr. Vikram (B 300) and Mr. Chandra (B 247) from CT were present during the inspection and they marked all the Grinding points and weld repair points. The Blasting profile was found not accepted by ABF Inspectors as blasting was not properly carried out in all areas. This was again offered for Surface preparation inspection vide Notification no.3721. The profile measured by ZPMC QC Inspectors at 6 places found to be in the range of 70 to 86 microns. Residual chlorides test conducted at 3 places and the result found to be 20, 20 & 20 us/cm. The profile range and salt test result found to be acceptable as per contract specifications. Minor Blasting mistakes pointed out by ABF Inspectors hence this was again found rejected. This was reoffered for Inspection again, vide request no. 3724, which was found accepted by ABF inspectors after minor Reblasting. The ambient condition inside the Paint shop measured and found to be 3.7 deg. above dew point, Relative humidity found to be 77.1%, which is acceptable for painting as per contract documents. International protective coating representative Mr. Lou Qian Chuan found present during the inspection process.

2. An inspection was requested on the OBG Segment, Entire External surface of Lift 8 W for DFT check and

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final acceptance, vide request no. 3710 at OBG assembly yard. Caltrans Engineer Mr. Aaron Prichlik have been informed for the same. This was found Rejected by ABF Inspector Mr. Sun for bottom plate areas not sealed by Interfine 979 and Damaged areas at the suspender Bracket areas not attended. This was again offered for inspection vide notification no. 3713. Mr Aaron Prichlik from Caltrans came to the spot for final acceptance inspection and He rejected the same for wrinkling and Balance finish paint application in near suspender Bracket areas. International protective coatings technical service representative was not found present during the course of this inspection process. (Photo attached)

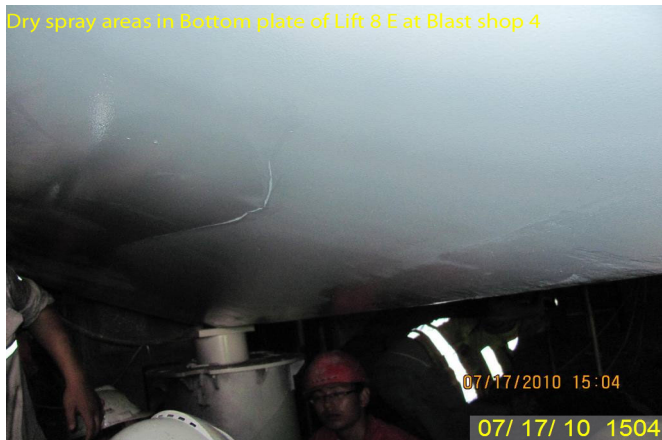
3. An inspection was requested on the OBG Segment, Entire External surface of Lift 8 E for DFT check and final acceptance, vide request no. 3709 at Blast shop no. 4. Caltrans Engineer Mr. Aaron Prichlik have been informed for the same. This was found Rejected by ABF Inspector Mr. Sun for bottom plate areas not finished properly. This was again offered for inspection vide notification no. 3712. Mr Aaron Prichlik from Caltrans came to the spot for final acceptance inspection and He rejected the same for wrnkling, Orange peel and high DFT in touch up area edges. International protective coatings technical service representative was not found present during the course of this inspection process. (Photo attached)

4. An inspection was requested on the OBG internal Entire floor surface from Pre weld seam to P.P 60 to P.P 59 (2 sections), vide request no. 3715 at Heavy Dock jetty, Ship no. 19. This was found rejected by ABF Inspectors Mr. David and Mr. Vince for touch up to be carried out ZPMC personnels in faying surfaces. International protective coatings technical service representative Mr. Lou Qian Chuan wast found present during the course of this inspection process.

5. An inspection was requested on the OBG Cross beam internal Bottom Plate, CB7, CB8, CB9, CB10- vide request no. 3714 at Heavy Dock jetty, Ship no. 19. This was found cancelled by ZPMC. International protective coatings technical service representative Mr. Lou Qian Chuan wast found present during the course of this inspection process

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Dry spray areas in Bottom plate of Lift 8 E at Blast shop 4



Touch up areas in Lift 8 W at OBG assembly yard



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Summary of Conversations:

No relevant Conversation

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Micheal Ng (15921845703), who represents the Office of Structural Materials for your project.

Inspected By:	Baskar, Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer
